

Serial No.: 10/822,861
Atty. Docket No.: P69661US0

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A method of providing a product, the method comprising:

providing a first material means having an absorption coefficient, μ_a , and a scattering coefficient, μ_s , at a predetermined wavelength, wherein $\mu_s > (1/10) * \mu_a$, said step of providing the first material including providing the first material with a predetermined substance at an interface or surface and/or in a predetermined volume;

providing a second material adjacent to and abutting said interface or surface of said first material, the second material having an absorption coefficient μ_{a2} and a scattering coefficient μ_{s2} at the predetermined wavelength; and

providing radiation ~~comprising~~ including radiation at the predetermined wavelength to a the predetermined volume at or near the ~~an~~ interface or surface of the ~~means~~ first material, said predetermined substance absorbing radiation at the predetermined wavelength and converting the radiation to heat in the first material.

2. (Canceled).

Serial No.: 10/822,861
Atty. Docket No.: P69661US0

3. (Canceled).

4. (Currently Amended) A The method according to claim 3 1, wherein the step of providing the second ~~means comprises~~ material includes providing a second ~~means~~ material with $\mu a_2 < \mu a$ and wherein the step of providing the radiation ~~comprises~~ includes providing the radiation to the predetermined volume through the second ~~means~~ material.

5. (Currently Amended) A The method according to claim 3 1, wherein the step of providing the second ~~means comprises~~ material includes providing a second ~~means~~ material with $\mu s_2 > (1/10) * \mu a$ and wherein the step of providing the radiation ~~comprises~~ includes providing the radiation to the predetermined volume along a plane of the interface.

6. (Currently Amended) A The method according to claim 3 1, wherein the step of providing the radiation includes ~~comprises~~ melting the ~~means~~ first material in the predetermined volume so as to weld the ~~means~~ first material and the second ~~means~~ material to each other.

Serial No.: 10/822,861
Atty. Docket No.: P69661US0

7. (Currently Amended) A The method according to claim 3 1, the method comprising the further step of providing a heat activatable adhesive at the interface between the ~~means~~ first material and the second ~~means~~ material, and wherein the step of providing the radiation ~~comprises~~ includes heating the adhesive so as to attach the ~~means~~ first material to the second ~~means~~ material.

8. (Currently Amended) A The method according to claim 3 1, wherein the step of providing the second ~~means comprises~~ material includes providing the second ~~means~~ material attached to the ~~means~~ first material, and wherein the step of providing the radiation ~~comprises~~ includes heating the predetermined volume so as to melt material in the predetermined volume and at the interface in order to facilitate detachment of the ~~means~~ first material from the second ~~means~~ material.

9. (Currently Amended) A The method according to claim 2 1, wherein the step of providing the radiation ~~comprises~~ includes evaporating and removing part of the ~~means~~ first material.

10. (Currently Amended) A The method according to claim 2 1, wherein ~~the step of providing the means comprises~~ providing the

Serial No.: 10/822,861
Atty. Docket No.: P69661US0

~~means with a substance in the predetermined area and/or on the interface thereof,~~ the substance ~~being~~ is adapted to perform an endothermic reaction during the step of providing the radiation.

11. (Currently Amended) ~~A~~ The method according to claim 1, wherein the step of ~~providing the means comprises providing the means with a substance in the predetermined area and/or on the interface thereof,~~ and wherein the step of providing the radiation ~~comprises~~ includes the substance absorbing the radiation at the predetermined wavelength and changing a colour of the substance or ~~means~~ the first material.

12. (Currently Amended) ~~A~~ The method according to claim 1, wherein the step of providing the radiation ~~comprises~~ includes the ~~means~~ first material absorbing radiation and changing a surface characteristic thereof at the interface.

13. (Currently Amended) ~~A~~ The method according to claim 1, wherein the step of providing the radiation includes ~~comprises~~ a polymer of the ~~means~~ first material absorbing the radiation at the predetermined wavelength and changing a characteristic thereof.

Serial No.: 10/822,861
Atty. Docket No.: P69661US0

14. (Currently Amended) A The method according to claim 1, wherein the ~~means~~ first material is a homogeneous material having at least substantially the same μ_a and μ_s throughout the ~~means~~ first material.

15. (Currently Amended) A The method according to claim 1, wherein the step of providing the first material includes ~~means comprises~~ providing a ~~means comprising~~ material with an upper layer having the absorption coefficient μ_a and a lower layer having the scattering coefficient, μ_s .

16. (Currently Amended) A The method according to claim 15, wherein ~~the step of providing the means comprises providing the means with the~~ said upper layer ~~comprising~~ includes a substance adapted to convert absorbed radiation to heat.

17. (Currently Amended) A The method according to claim 15, wherein the step of providing the radiation includes ~~comprises~~ photo activating a substance in the upper layer.

18. (Currently Amended) A The method according to claim 1, wherein the step of providing the first material includes ~~means~~

Serial No.: 10/822,861
Atty. Docket No.: P69661US0

~~comprises~~ providing the ~~means~~ first material with a predetermined concentration or percentage of a particulate matter having a mean particle size of less than 10 times the predetermined wavelength.

19. (Currently Amended) A radiation welded product comprising a first part and a second part welded together, ~~wherein: the said~~ first part ~~has~~ having a high transmission at ~~the a~~ a predetermined wavelength and the second part ~~has~~ having an absorption coefficient, μ_a , and a scattering coefficient, μ_s , at the predetermined wavelength, wherein $\mu_s > (1/10) * \mu_a$.

20. (Currently Amended) A radiation welded product comprising a first part and a second part welded together, ~~wherein: the said~~ first part ~~has~~ having a high transmission at ~~the a~~ a predetermined wavelength, the second part ~~has~~ having an absorption coefficient, μ_a , at the predetermined wavelength, and the second part ~~has~~ having a scattering coefficient, μ_s , at the predetermined wavelength, wherein $\mu_s > 0.4 \text{ mm}^{-1}$ and $\mu_a < 4 \text{ mm}^{-1}$.

21. (Currently Amended) A The radiation welded product according to claim 19, wherein~~[[:]]~~ the first part further has a first scattering coefficient, μ_{s1} , at the predetermined wavelength,

Serial No.: 10/822,861
Atty. Docket No.: P69661US0

and the second part has an upper part adjacent to the first part and a lower part, ~~wherein: the~~ said upper part having the absorption coefficient, μ_a , and the lower part having a third, respectively, absorption coefficient, μ_{a3} , at the predetermined wavelength, the absorption coefficient, μ_a , being larger than the first and third absorption coefficients, μ_{a1} and μ_{a3} , respectively, and the lower part ~~has~~ having the scattering coefficient, μ_s , at the predetermined wavelength, the scattering coefficient, μ_s , being higher than the first scattering coefficient, μ_{s1} .

22. (Currently Amended) ~~A~~ The product according to claim 19, wherein the second part ~~comprises~~ includes a predetermined concentration of a material having a mean particle size of at the most 10 times the predetermined wavelength.

23. (Withdrawn) A method of providing an adhesive element comprising an upper part and a lower part, the upper part being a layer of a pressure sensitive adhesive composition provided on a surface of the lower part, wherein the upper part has an absorption coefficient, μ_a , at a predetermined wavelength, and the lower part has a scattering coefficient, μ_s , at the predetermined wavelength, wherein $\mu_s > (1/10) * \mu_a$, the method comprising:

Serial No.: 10/822,861
Atty. Docket No.: P69661US0

providing radiation to a first area of the upper part so as to provide a predetermined property of the adhesive in the first area.

24. (Withdrawn) A method according to claim 23, wherein the radiation is provided only to the first area.

25. (Withdrawn) A method according to claim 23, wherein the lower part comprises, in a volume provided below and corresponding to the first area, the scattering coefficient μ_s , a scattering coefficient of the remainder of the lower part having a scattering coefficient, μ_{s2} , which is lower than μ_s , wherein radiation is provided to an area of the adhesive exceeding the first area.

26. (Withdrawn) A method according to claim 23, wherein $\mu_s > 0.4$ mm⁻¹ and $\mu_a < 4$ mm⁻¹.

27. (Original) An ostomy product provided by the method of claim 1.

28. (Currently Amended) ~~An ostomy product comprising the~~ The product according to claim 19 within an ostomy product.

Serial No.: 10/822,861
Atty. Docket No.: P69661US0

29. (Currently Amended) A The radiation welded product according to claim 20, wherein the first part further has a first scattering coefficient, μ_{s1} , at the predetermined wavelength, and the second part has an upper part adjacent to the first part and a lower part, ~~wherein the~~ said upper part having the absorption coefficient, μ_a , and the lower part having a third, respectively, absorption coefficient, μ_{a3} , at the predetermined wavelength, the absorption coefficient, μ_a , being larger than the first and third absorption coefficients, μ_{a1} and μ_{a3} , respectively, and the lower part ~~has~~ having the scattering coefficient, μ_s , at the predetermined wavelength, the scattering coefficient, μ_s , being higher than the first scattering coefficient, μ_{s1} .

30. (Withdrawn) An ostomy product provided by the method of claim 23.